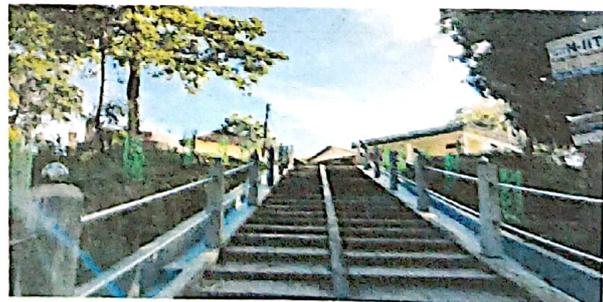
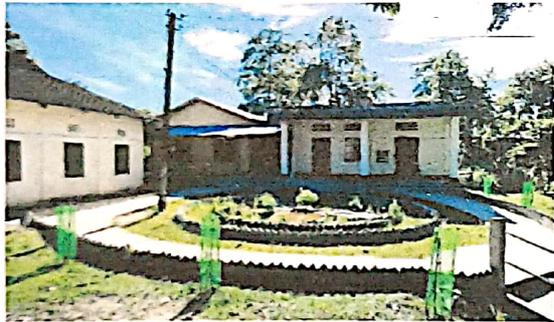
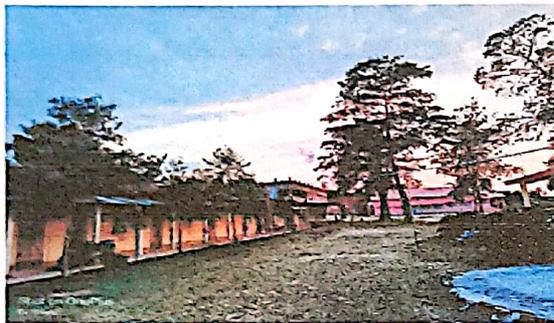




Green & Environment Audit Report

Swami Vivekananda College Chandkhira, Karimganj (Assam)



Prepared by :
Green Audit Team
Swami Vivekananda College
Chandkhira: 2023


Principal
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj

Forward

The Present world is facing environmental threats climate change, increase of pollution in the atmosphere water, greenhouse effect, bio-diversity loss, etc. Population Growth & and the changing lifestyle of people have been increasing ground of the, is the severity of environmental problems. In this background of this scenario, higher educational institutions. expected to take a pivotal role in environmental conservation & and protection. The time has come to protect the natural environment through precise efforts.

Swami Vivekananda College is Committed to creating its own identity in protecting the environment. It has implemented eco-friendly practices such as waste-water recycling, rainwater harvesting, and clean drinking water to all by water purification system. The college has planted around 500 trees on the campus to help reduce the carbon footprint of the college. In addition to these, the college has taken the mission of campaigning, for an eco-friendly environment as well as a total ban on plastic use in the campus.

Green Auditing is a systematic assessment of resource utilization & and waste generation. It will detect the eco-friendly & and non-eco-friendly practices on the campus. Keeping these in mind, Swami Vivekananda College is going to prepare the Green Audit Report for the promotion of environmental awareness among its family members. It is expected that the report will be helpful to all concerned and motivate all to go ahead toward a green future.


(Dr. Banobrata Aditya)

Principal i/c

Swami Vivekananda College,
Chandkhira, Dist. – Karimganj (Assam)

Green Audit Team

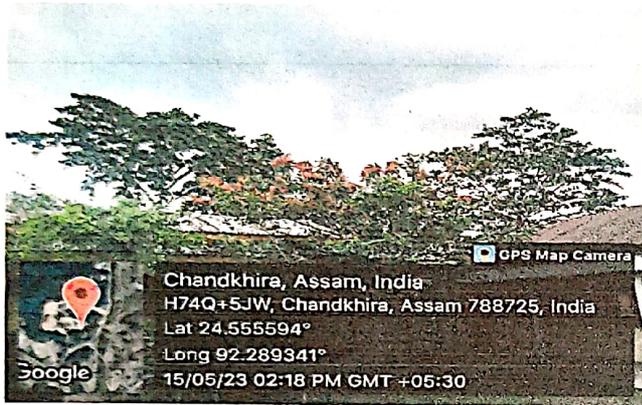
Dr. Banobrata Aditya, Chairman

Dr. Subhash Sinha, Coordinator, IQAC

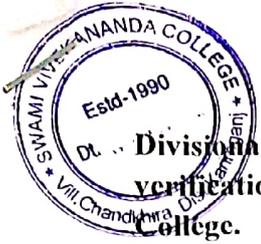
Dr. Bijoy prasad Lohar, Member

Mr. Sadhan Datta, Member

Mr. Maynul Hoque, Member



1. Banobrata Aditya - *[Signature]*
2. Bijoy Prasad Lohar - *[Signature]*
3. Subhash Sinha - *[Signature]*
4. Sadhan Datta - *[Signature]*
5. Maynul Hoque. *[Signature]*



Divisional Forest Officer, Karimganj Division Visited Swami Vivekananda college for spot verification on Green Audit conducted by competent authority of Swami Vivekananda College.




Principal
Swami Vivekananda College
Chandkhira, Dist. Karimganj



GOVERNMENT OF ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER :: KARIMGANJ FOREST DIVISION
KARIMGANJ :: DIHARAKUNA :: 788712
e-mail: dfo.karimganj@gmail.com

To whom it may concern

This is to certify that the Green Audit Team of Swami Vivekananda College, Chandkhira has conducted a Green Audit in the College Campus. The inspection of the Campus on 13-02-2024 was found to be satisfactory as per the Green Audit Report as submitted to this office vide Ref No: SVC/GA/2024/215 dtd. 17.01.2024.

Date: 15.02.2024

[Signature]
Divisional Forest Officer,
Karimganj Division, Karimganj.
~~Divisional Forest Officer~~
~~Karimganj Division, Karimganj~~

[Signature] 15/2/24
Principal I/C
Swami Vivekananda College
P.O.Chandkhira, Dist.Karimganj

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GOVT. OF ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER
KARIMGANJ DIVISION, KARIMGANJ, ASSAM
BOTOROSHI, DHARAKUNA, KARIMGANJ, PIN - 788712

To whom it may concern

This is to certify that the Green Audit Team of Swami Vivekananda College, Chandkhira has conducted a Green Audit in the college campus and I have visited the campus on 12/12/2023 and found the audit satisfactory.


Assistant Conservator of Forests
Karimganj Division, Karimganj


Principal
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj

OFFICE OF THE

Range Forest Officer

Patherkandi Range

Dist-Karimganj, Assam, PIN-788724.

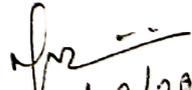
Ref. No- Pr/25/2023/315

Date- 20/9/2023

This is to state that I have visited the Swami Vivekananda College , Chandkhira on 20/ 09/2023 and I am impressed to see the Green Initiative taken by the college to build up an eco- friendly Green campus by taking up different activities like planting new trees, preserving the existing trees, keeping the campus clean and plastic free campus initiative for promoting sustainable development of the campus.

I wish every success for the college .

Regards:


20/09/2023
Range Forest Officer
Patherkandi Range
Karimganj



Green Audit Team

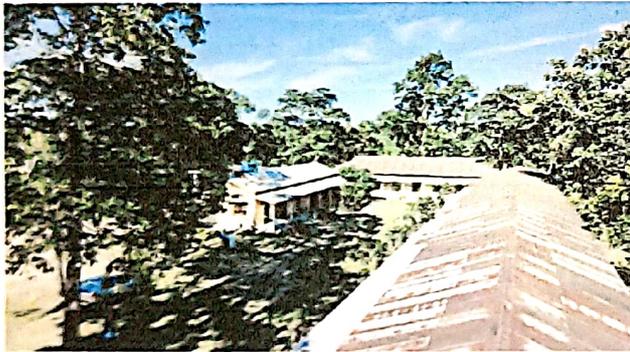
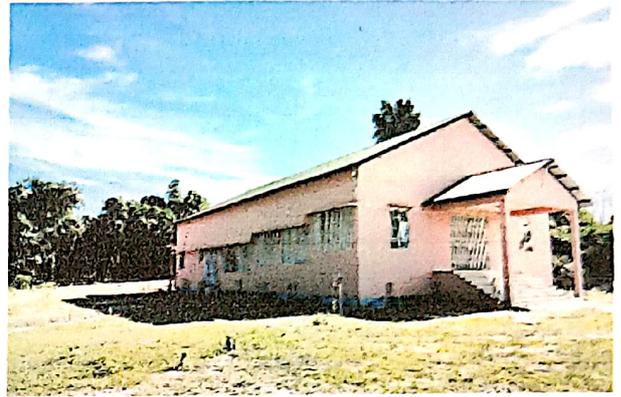
Dr. Banobrata Aditya, Chairman

Dr. Subhash Sinha, Coordinator, IQAC

Dr. Bijoy prasad Lohar, Member

Mr. Sadhan Datta, Member

Mr. Maynul Hoque, Member



1. Banobrata Aditya
2. Subhash Sinha
3. Bijoy Prasad Lohar
4. Sadhan Datta
5. Maynul Hoque

dmr 2/2/24
Principal IIC
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj



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3. Water quality management
 - 3.1 Rainwater harvesting

4. No smoking and tobacco-free campus
 - 4.1 Display boards on the college campus

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6. Plastic-free campus
7. Health Awareness Programs
8. Weather data of karimganj
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 - 8.2 Findings and Recommendations

9. Conclusion


Principal I/C
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj



1. Introduction

Swami Vivekananda College, one of the educational institutes in the Karimganj district of Assam, was established on 12th January 1987. It is a rural college with having beautiful campus spread over an area of 30 Bighas of land, The college started to its building in 1987. The college is affiliated to Assam University.

After prolonged years of persistent effort and sacrifice of a group of well-wishers and dedicated teachers, the college has been provincialized w.e.f 1ST January 2013.

With the guidance of the principal in charge a group of dedicated enthusiastic teachers and energetic office staff, the college has been educating several students up to degree level and guiding the society with a clear vision. The college is determined to become a pioneer institution of higher education in the state of Assam.

Vision of the college

Preparing the learner for a knowledge society and strengthening the socio-economic base of the surrounding area through quality education.

Mission of the college

- To enlighten the learners with relevant knowledge and equip them to develop their level of competence.
- To maintain a healthy academic atmosphere through effective teaching learning and extension activities.
- To help the people of the surrounding area in social mobilization and the improvement of their socio-economic base by involving them in various institutional activities.
- To produce man power in diverse field.
- To promote awareness on various issues such as environment, human values, culture, human rights etc.
- To establish linkage with various organizations and agencies for overall upgradation and development.
- To reduce social violence and intolerance.


Principal IIC
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj



1.1 Objectives of Green Audit:

The motto of Green Campus has been adopted by the college for environmental conservation and sustainability. The Green Audit is an instrument to detect and monitor the sources of environmental pollution, monitoring of quality and quantity of water, and the safety of human health.

The main objective of this Green Audit is to assess the environmental quality and the strategies implemented by Swami Vivekananda College to manage the quality.

The specific objectives are:

- To assess the quality of water and minimize its consumption.
- To monitor waste generation and management on the campus.
- To ensure installation of devices that reduce pollution.
- To ensure optimum utilization of resources.
- To ensure the safety of all and its stakeholders.
- To empower the stakeholders to contribute to environmental protection.
- To promote a safe and clean environment.

1.2 Environmental policy of the college:

Swami Vivekananda College in Karimganj district of Assam is an environment-conscious college due to its natural characteristics. Having taken the Green Campus initiatives, the college protects its environment and keeps the campus pollution-free. The educational policies, take necessary steps for the development of the environment. The college administration, staff, and students consider it as their responsibility to maintain and preserve the green environment of the institution.

Environmental policy of the college:

- To create awareness among people including college family members about a green environment.
- To plant more trees every year.
- To make a pollution-free campus.
- To sensitize every one of our college families about the proper use of drinking water without any wastage.
- To collect rainwater for our use by installing the “Rainwater Harvesting Unit” project.
- To use dry and wet dustbins to keep the college campus clean.
- To minimize the use of paper to go towards a paperless office.
- Performing Green Audit to develop and keep an eco-friendly campus.


Principal IIC
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj

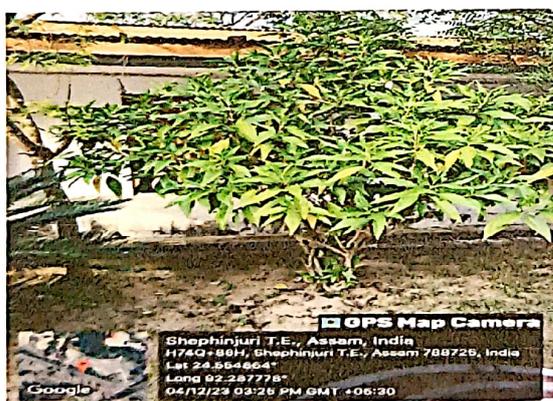


2. BIODIVERSITY OF THE CAMPUS

The biodiversity of the Swami Vivekananda College campus plays a crucial role in the overall health of our environment and contributes significantly to the concept of a green audit. The campus is a vibrant ecosystem, hosting a diverse range of flora and fauna that coexist in harmony. The lush greenery, from towering trees to flowering plants, not only enhances the aesthetic appeal but also provides essential ecosystem services.

Our campus is home to a variety of bird species, insects, and small mammals, creating a balanced and thriving community. This biodiversity contributes to pollination, seed dispersal, and natural pest control, promoting sustainability within the campus environment. The presence of native plant species further enhances the ecological value, supporting local wildlife and preserving the natural heritage of the region.

Preserving and nurturing this biodiversity is integral to our commitment to environmental sustainability. As we conduct a green audit, understanding and appreciating the rich biodiversity of our college campus becomes imperative. Conservation efforts and sustainable practices should be implemented to ensure the continued flourishing of this diverse ecosystem, benefiting not only the campus community but also contributing to the larger goal of global environmental stewardship.




Principal I/C
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj

2.1 FLORAL DIVERSITY

The floral diversity of our college campus contributes significantly to its vibrant and eco-friendly atmosphere, making it an ideal subject for a green audit. The grounds boast a rich variety of flowers, from ornamental blooms to native species, creating a visually appealing landscape. This diversity not only enhances the aesthetic appeal but also plays a crucial role in supporting local biodiversity.

The college's commitment to sustainability is evident in the thoughtful selection of plants, favoring those that are native or well-adapted to the local climate. This not only reduces the need for excessive water and maintenance but also fosters a resilient ecosystem. The presence of flowering plants further promotes pollination, supporting the local bee population and other pollinators, which are essential for the health of the environment.

In addition to their ecological benefits, the diverse floral displays serve as outdoor classrooms, providing students with a living laboratory for botanical studies. The green audit of our college's floral diversity will undoubtedly highlight its role not only in beautifying the campus but also in fostering a sustainable and educational environment.



JUJUBE Plants are growing at the campus of Swami Vivekananda College

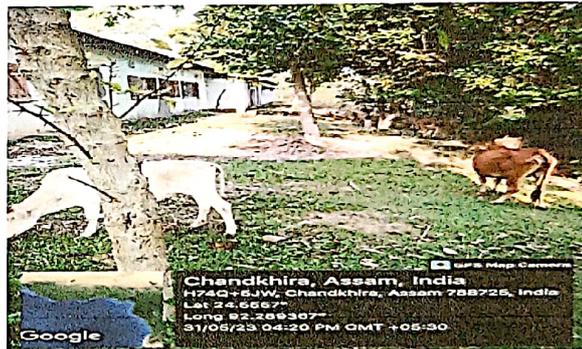
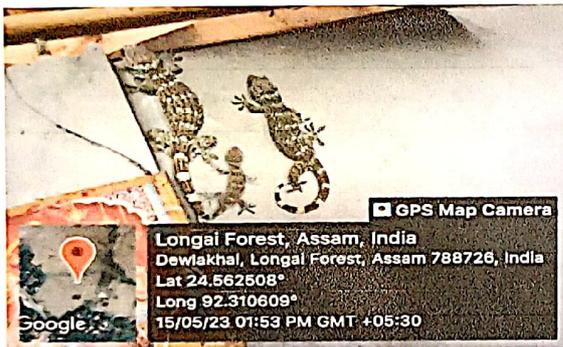

 Principal I/C
 Swami Vivekananda College
 F.O. Chandkhira, Dist. Karimganj



2.2 FAUNAL DIVERSITY

The faunal diversity of Swami Vivekananda College campus is a captivating aspect of its natural environment. A variety of bird species, including sparrows, robins, and pigeons, can be spotted throughout the campus, creating a lively atmosphere with their chirps and fluttering wings. Squirrels are a common sight, playfully darting among the trees and bushes, adding a touch of agility to the landscape.

In addition to these small creatures, the college campus is also home to insects like butterflies and bees, contributing to the overall biodiversity. The presence of these fauna not only enhances the aesthetic appeal of the surroundings but also provides an opportunity for students to connect with nature during their academic pursuits. Overall, the faunal diversity of our college campus adds a delightful dimension to the educational experience, fostering a harmonious coexistence between the academic and natural realms.



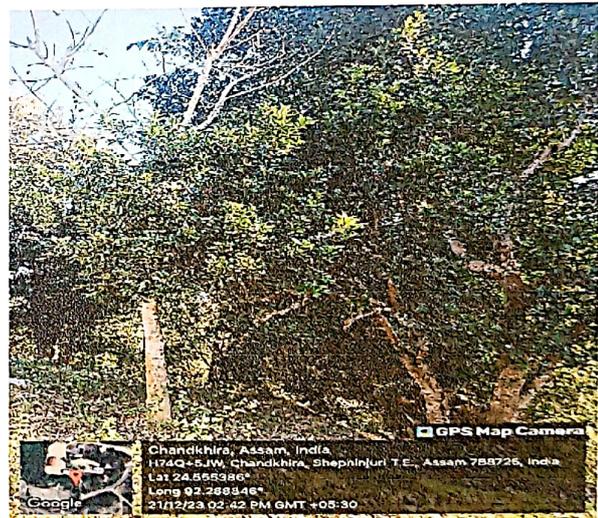
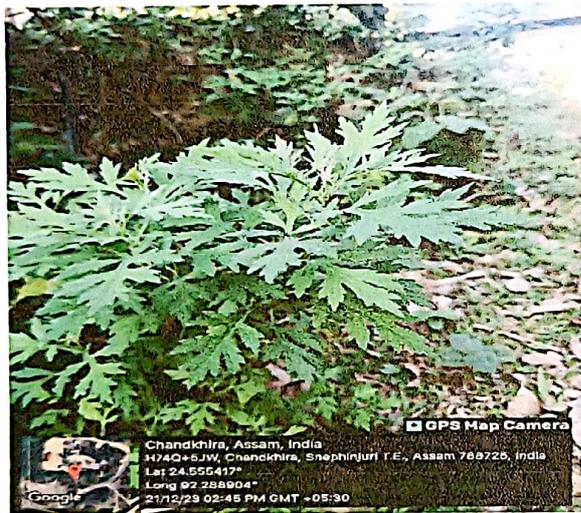
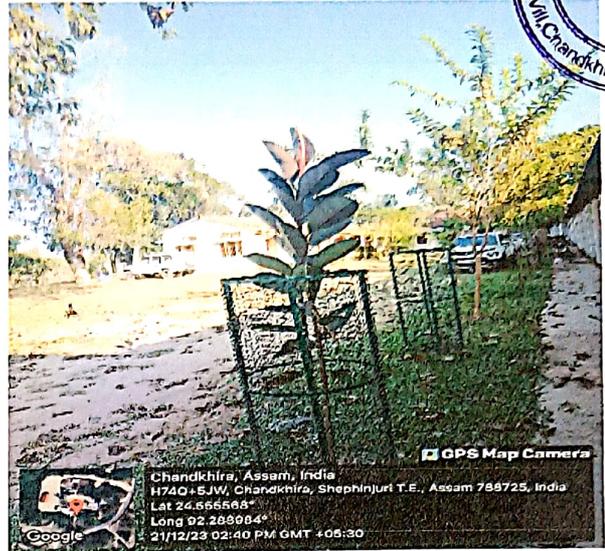
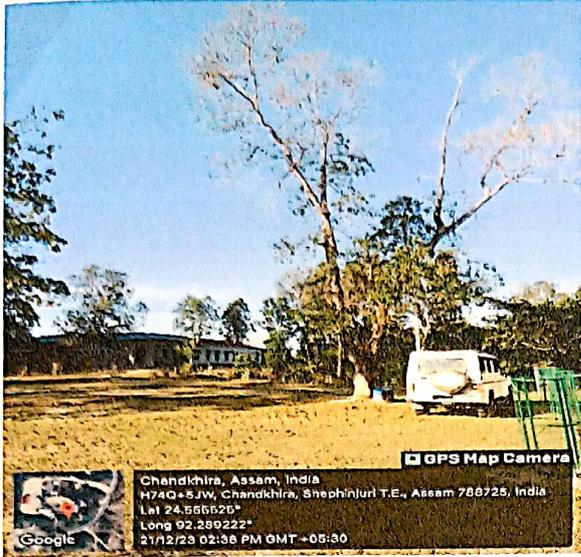

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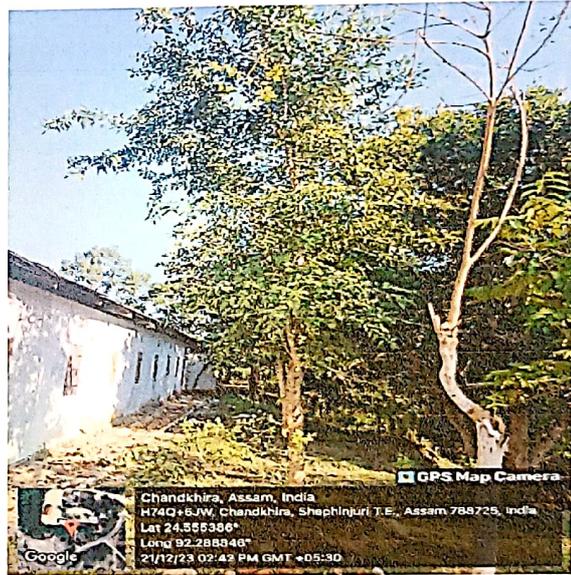
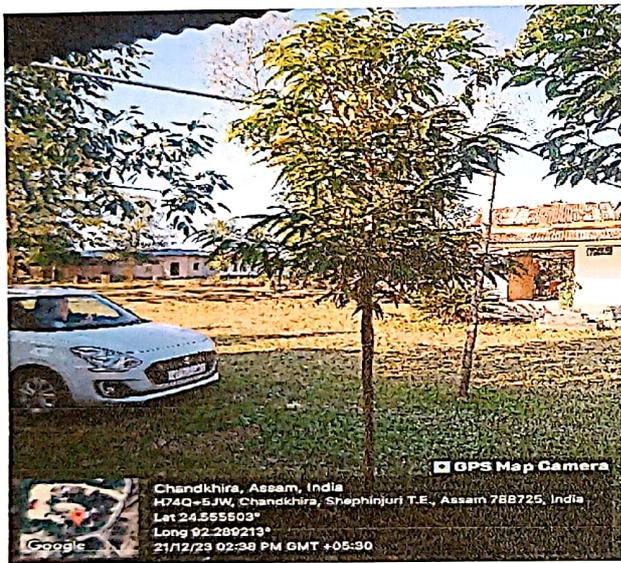
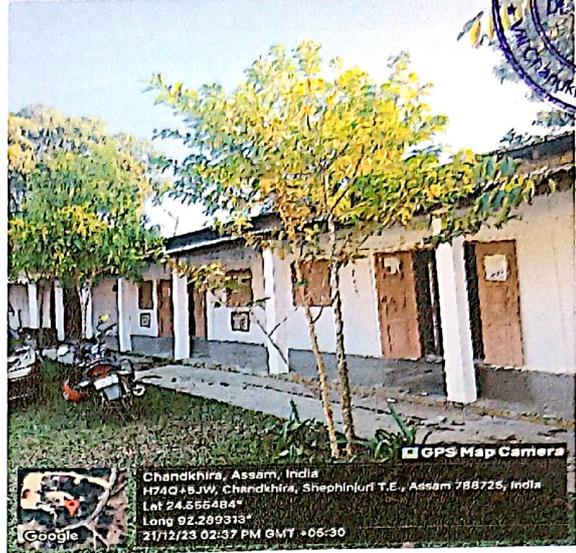
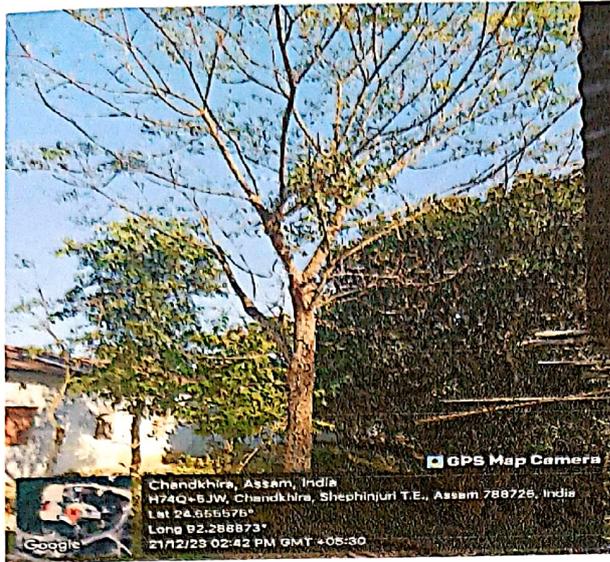
Table: The following table shows the number of plants/trees that are planted/found on the college campus.

SL NO	Local Name	Scientific Name
1	Bokul	Memusops Elengi
2	Moniraj Ful	Cycas Revoluta
3	Kodom	Neolamrckia Cdamba
4	Kalojaam	Syzygium Cuminl
5	Krishnachura	Delonix Regia
6	Aam	Magibera Indica
7	Lohakaath	Xyliaxylo Carpa
8	Devdaaru	Ployathialongifolta
9	Segun	Tectona Grandis
10	Kathal	Antocarpus Heleophllus
11	Aatafol	Annona Squamosa
12	Kool	Prurus Domes
13	Aamra	Spordia Mombin
14	Jolpai	Olea Europaea
15	Batabi Lebu	Gitrus Grandis
16	Sewra	Streblus Asper
17	Sofri	Psidiu Guajava
18	Neem	Azadirachta Indica
19	Aamloki	Phyllanthus Emblica
20	Bel	Aegle Marmetos

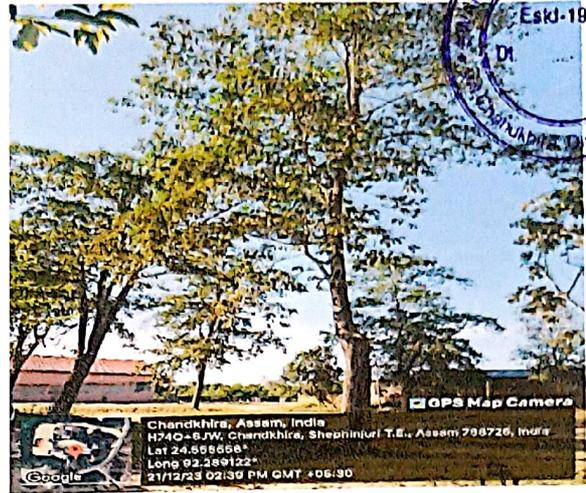
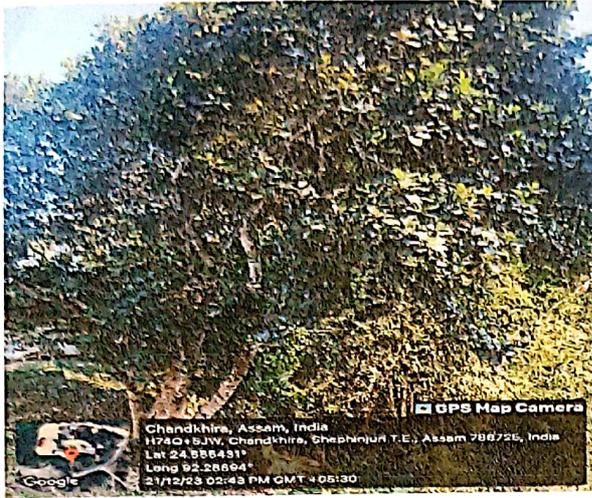

Principal I/C
Swami Vivekananda College
P.O. Chandkhira, Dist. Kamrup



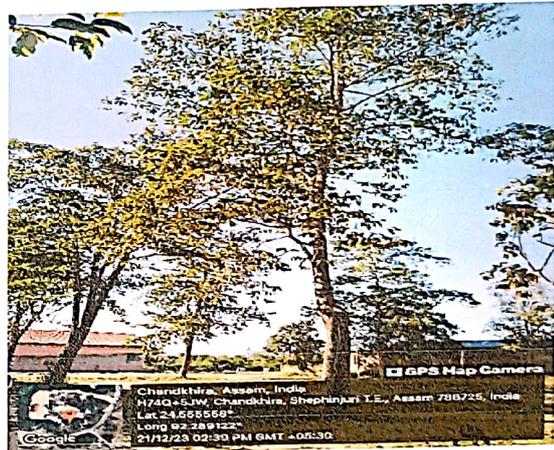
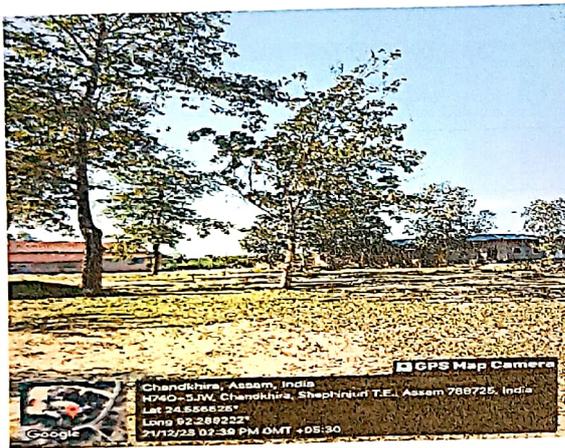
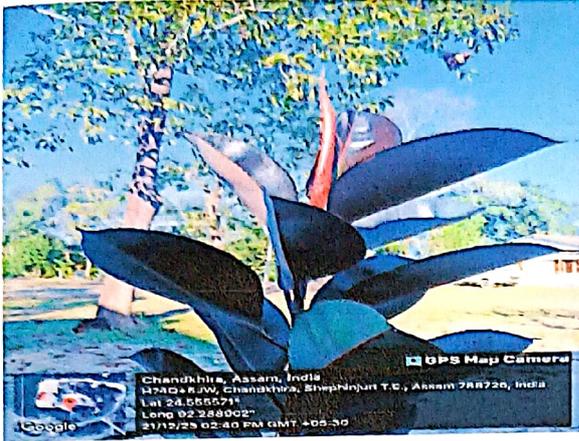

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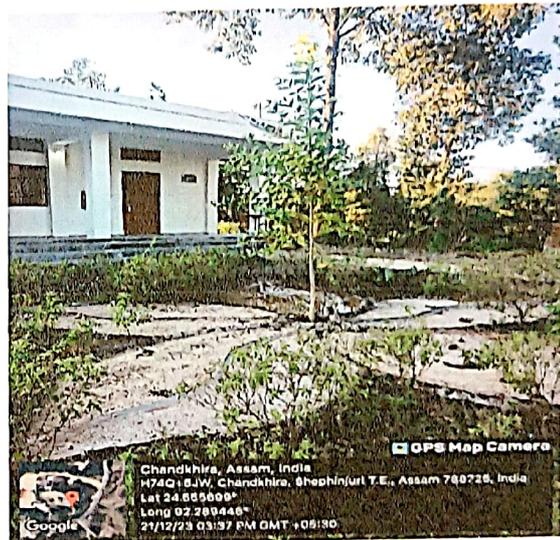
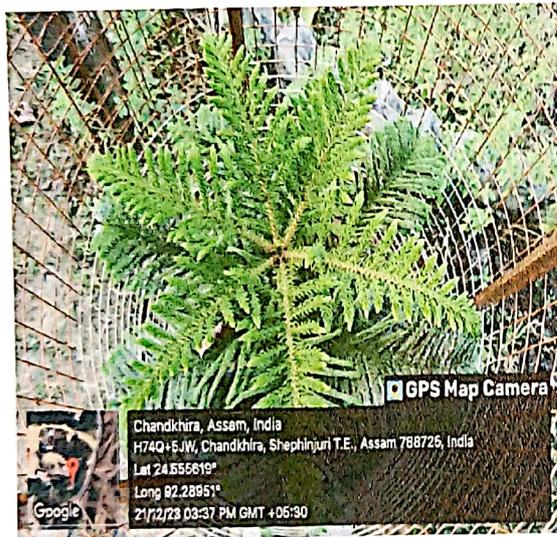
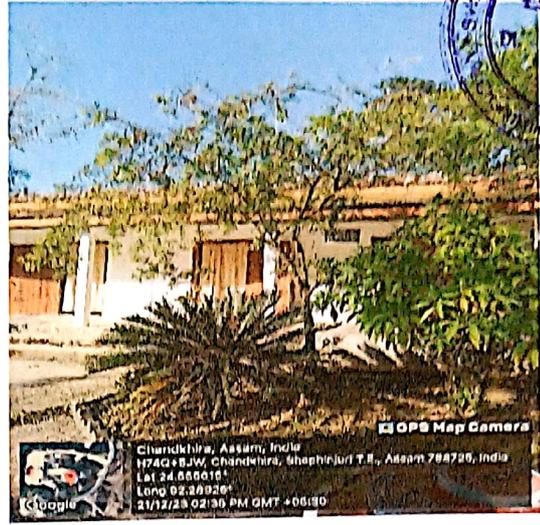

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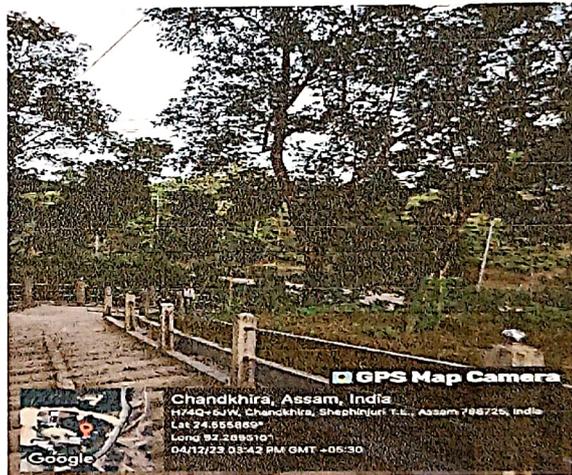
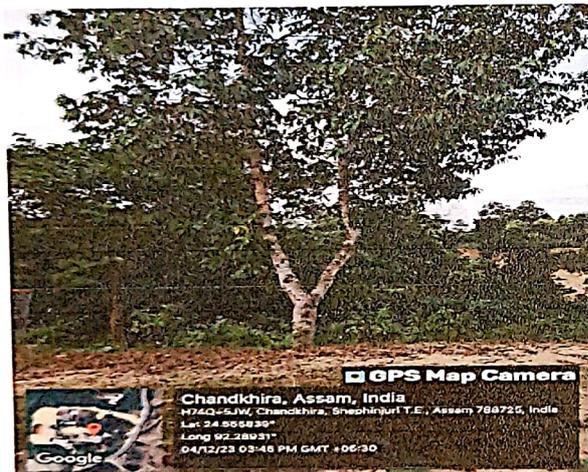
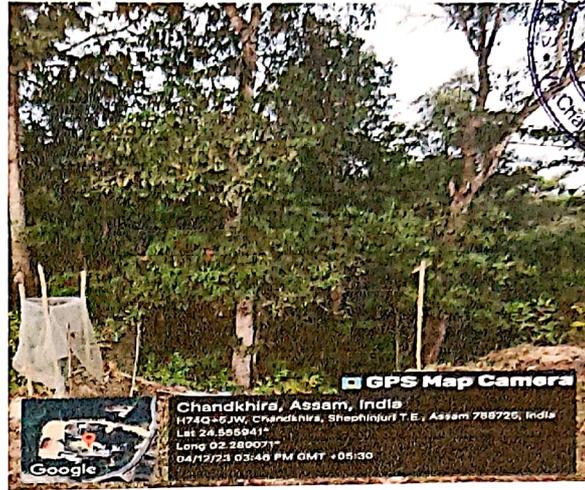
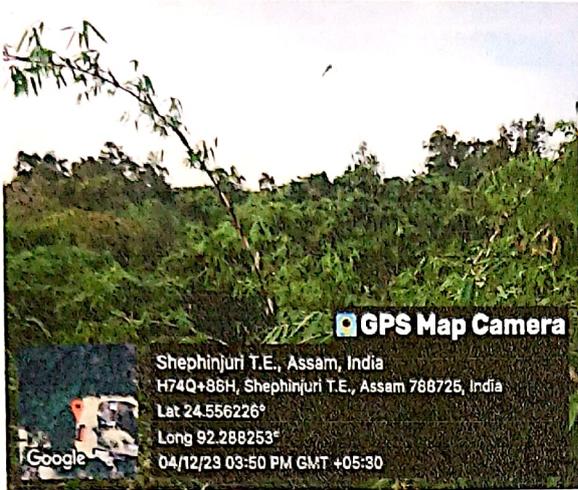
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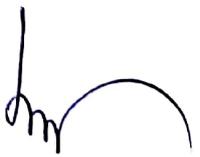


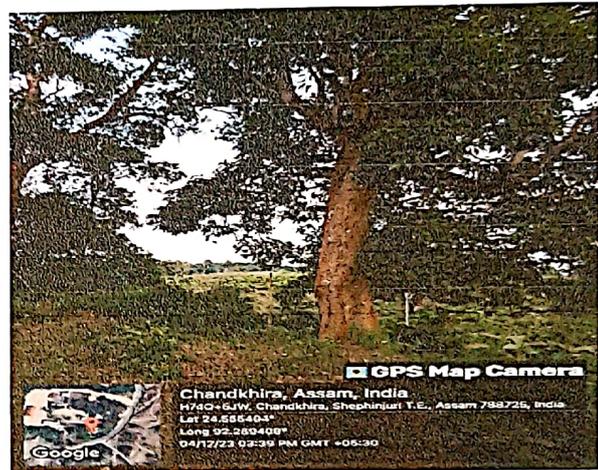
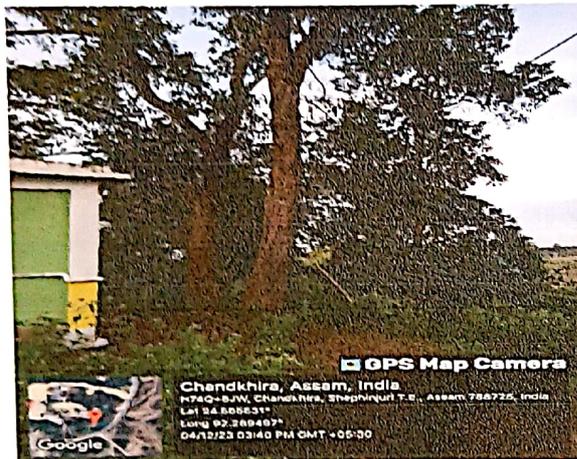
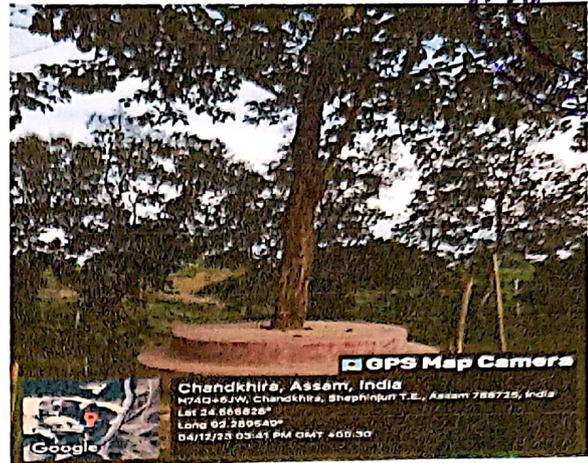
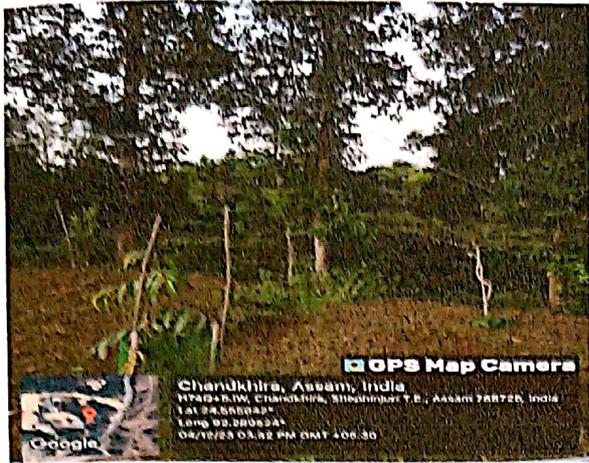

Principal
Swami Vivekananda College
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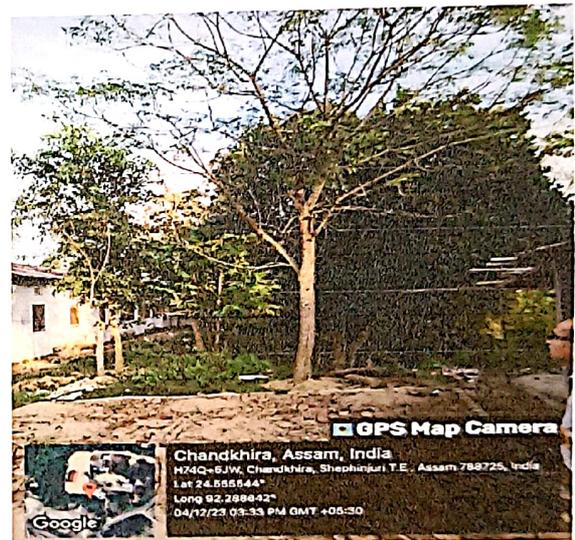
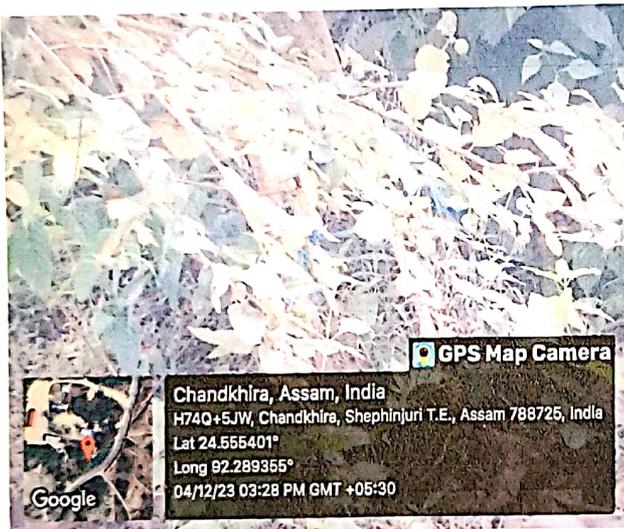
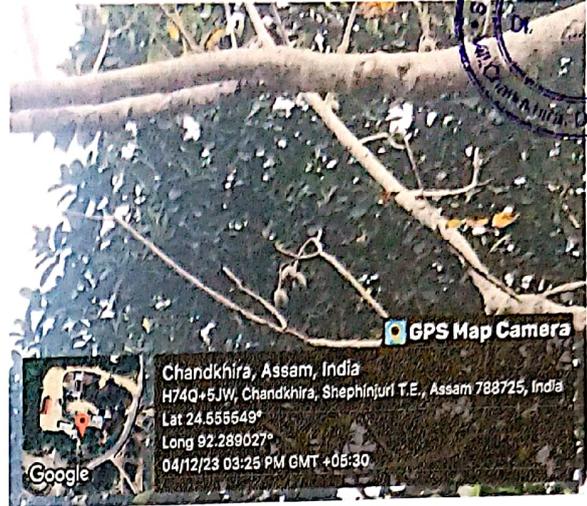
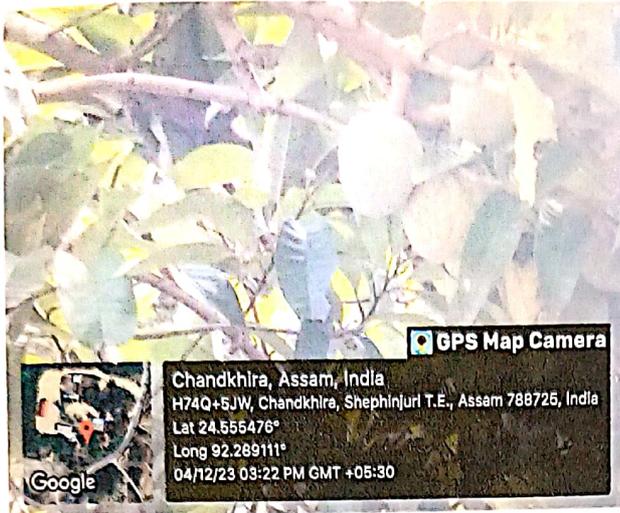

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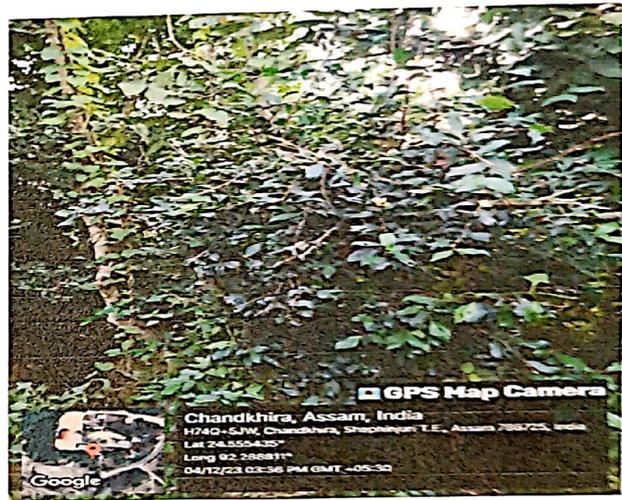
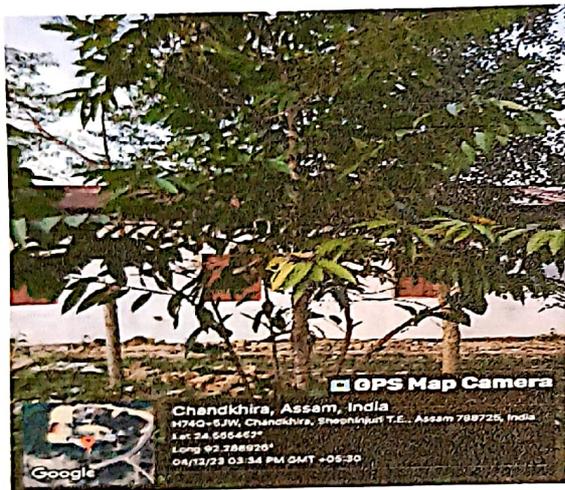
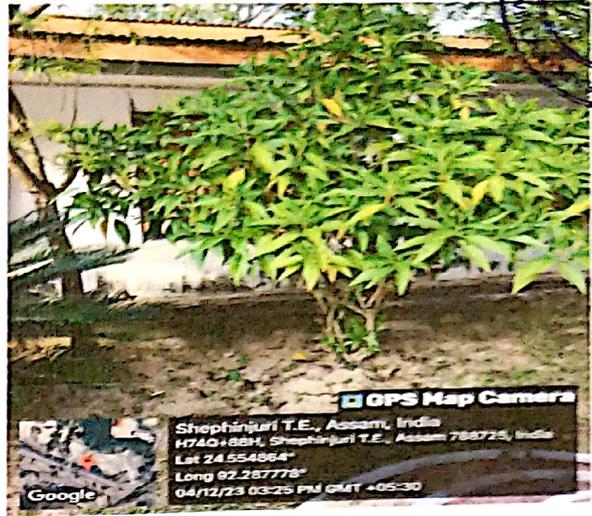
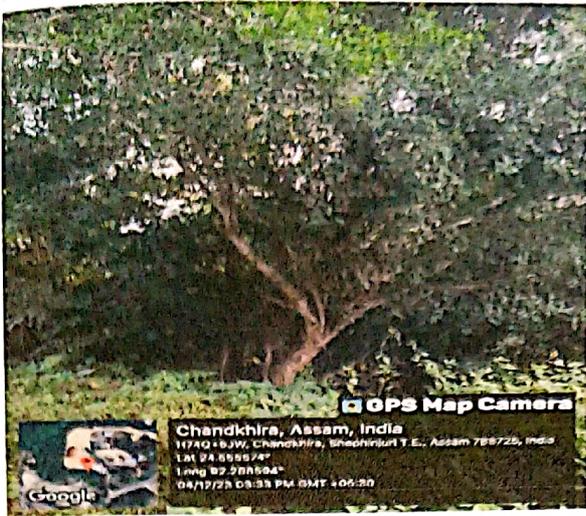

Principal I/C
Swami Vivekananda College
P.O.Chandkhira, Dist.Karimganj




Principal I/C
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj




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Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj




Principal I/C
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj



2.3. Awareness and Tree Plantation Programme:

The College has been regularly conducting awareness programmes for the college family and society for maintaining and protecting the environment. It has been arranging rallies on various occasions/issues to health and the environment. Besides the college undertakes the tree plantation programme through the National Service Scheme (NSS), and National Cadet Corps (NCC) of the college unit every year, on various occasions like Environment Day, Teachers Day, etc.

The college has planted some air-purifying plants such as Mahaneem (*Azadirachta indica*) and Tulsi (*Ocimum sanctum*) to make the campus eco-friendly and healthy. It also helps to keep the campus beautiful and green. Tree plantation programme was organized by the students of Swami Vivekananda College along with the NCC and NSS cadets.



Principal IIC
Swami Vivekananda College
P.O.Chandkhira, Dist.Karimganj

3. Water Quality and Management



Testing of water ensures clean and safe drinking water for all. Keeping this in mind the water quality of Swami Vivekananda College is duly tested by the concerned authority. So, the water of the college can be considered as potable water.

Water supply for drinking and other purposes is maintained by a submersible bore well and two ring wells on the campus.

Though the college has to depend upon the groundwater for all its needs water conservation measures are essential for efficient use of water.

GOVT. OF ASSAM
OFFICE OF THE ASST. EXECUTIVE ENGINEER (PIE)
PATHARKANDI SUB-DIVISION : PATHARKANDI.

Name Of College :- Swami Vivekananda College
Vill :- Chandkhira
G.P. :- Chandkhira
Block :- Lowairpoa
Dist. :- Karimganj

Sl No.	Source	pH (6.5-8.5)	Iron (0-0.3) mg/l	Hardness (200-600) mg/l	Turbidity (5-10) NTU	Residual Chlorine (0.1-0.3)	Fluoride (1-1.5) mg/l	TDS	Bacteria
1	Deep Well	7.20	0.30	110.00	7.1	0.20	0.54	180.00	Absent

Notes -
1 The results given above are related to the sample as received and tested in the laboratory.
2 The test report can not be regenerated / reproduced in whole or in part without written permission of Laboratory.
3 The test report can not be used for any publicity or any legal purpose.
4 The test samples meant for chemical analysis will be disposed of after 15 days from the date of issue of test report unless & until specifically requested for retaining longer period by the customer.

Conclusion :- The above sample is fit for drinking purpose.

Date - 16/08/2023

[Signature]
Assistant Chemist (PIE)
Patharkandi Sub-Division, Patharkandi

[Signature]
Assistant Executive Engineer (PIE)
Patharkandi Sub-Division, Patharkandi

[Signature]
Principal I/C
Swami Vivekananda College
F.O. Chandkhira, Dist. Karimganj

3.1 Rainwater Harvesting Tank in the Campus:



A rainwater harvesting tank has been mechanised on the campus. The rainwater coming from rooftops is collected in a tank of 2000 litres or more capacity and used for gardening and other uses.



4. No Smoking and Tobacco-Free Campus:

Use of Tobacco and Tobacco products are completely banned in the college premise and consuming such products is considered as punishable offence. The instruction has been mentioned in the code of conduct regarding this matter as well and boards are displayed in various places in the college.

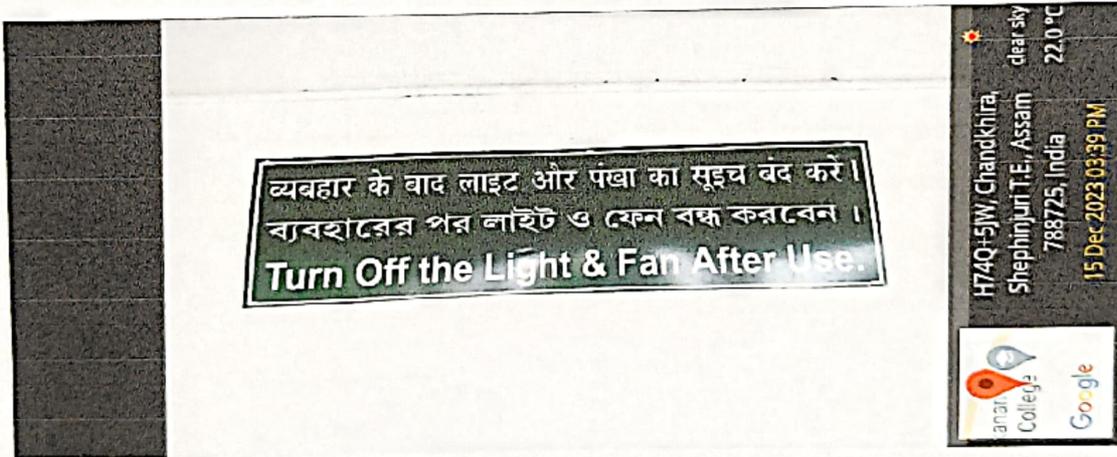
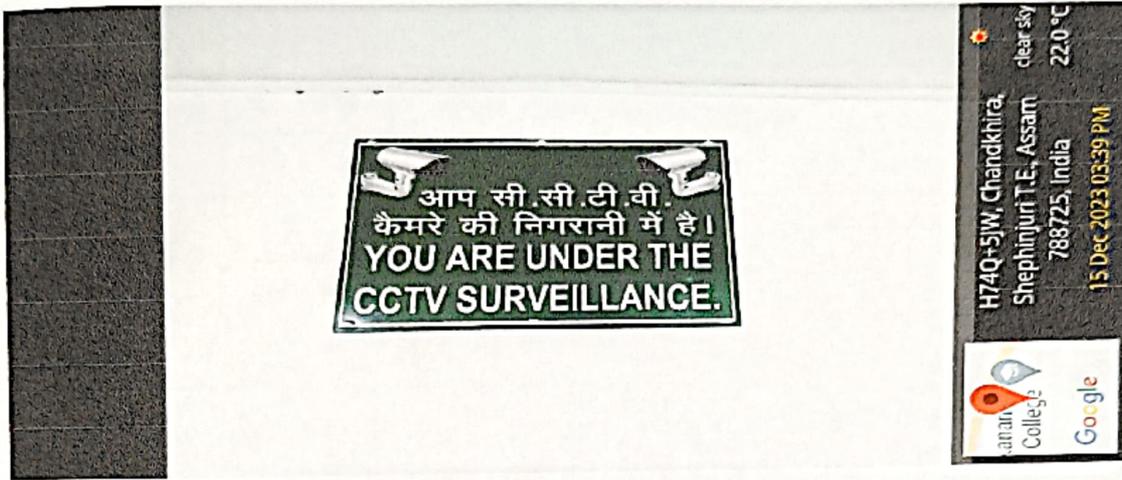


[Signature]
Principal I/C
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj



4.1. Display Boards in the college campus:

The college displays various boards for environmental awareness, noise control, conservation and proper use of water and tobacco-free campus.




Principal I/C
Swami Vivekananda College
Chandkhira, Dist. Karimganj



5. Noise Pollution Management:

Pressure horns are not allowed on the college campus so no one of the staff and students uses pressure horns to keep the college noise-free. Besides that, various boards have been displayed in the library and other places to maintain silence in the college.



6. Plastic Free Campus:

College has been trying to make it a plastic free campus by creating awareness regarding the same among the students and staff members by displaying boards and other programmes. Another practice of the college is that canteen uses reusable utensils which helps in keeping the campus plastic free.



[Signature]
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8. WEATHER DATA OF KARIMGANJ

Karimganj district is located in Assam. The region experiences a subtropical climate, characterized by hot and humid summers, a monsoon season, and relatively mild winters.



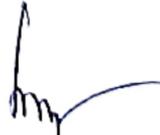
During the summer months, which typically extend from March to June, Karimganj experiences high temperatures. Daytime temperatures can often reach above 30 degrees Celsius (86 degrees Fahrenheit). The nights are relatively warmer compared to winters.

The monsoon season in Karimganj usually begins in June and lasts until September. During this period, the region receives a significant amount of rainfall, contributing to the lush greenery of the area. Heavy rains and occasional thunderstorms are common, and the humidity levels remain high. Flooding can be a concern in some areas due to the intense rainfall.

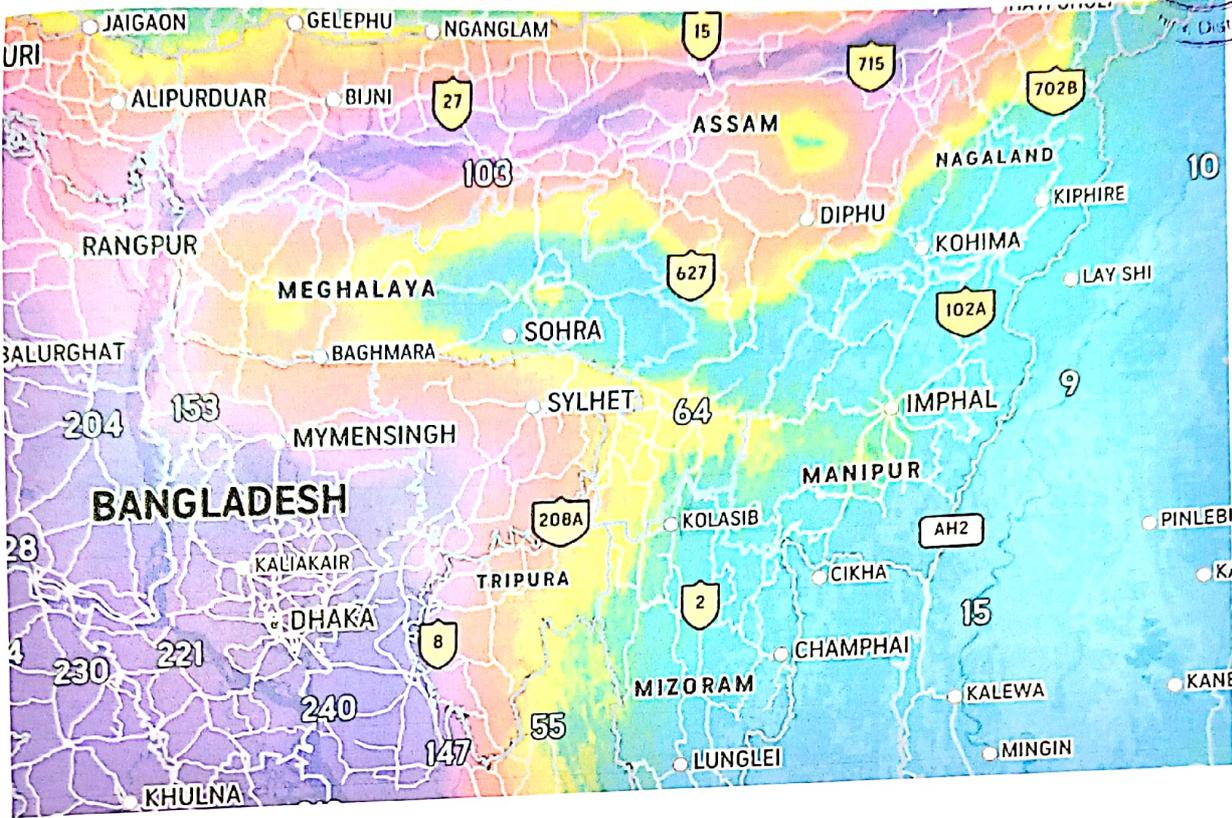
Winters in Karimganj, from November to February, are relatively mild compared to the rest of the year. Daytime temperatures hover around the low 20s degrees Celsius (68 degrees Fahrenheit), and nighttime temperatures can drop further. While winters are cooler, they are not extremely cold, and frost is rare.

It's important to note that weather conditions can vary from year to year, and climate patterns can change. Therefore, it's advisable to check the latest weather updates for the most accurate and current information. Local meteorological services and online weather platforms usually provide detailed forecasts, including temperature, precipitation, humidity, wind speed, and other relevant information.

In addition to the natural climate patterns, it's worth considering any potential impacts from climate change, which can influence long-term weather patterns and may lead to more extreme weather events.


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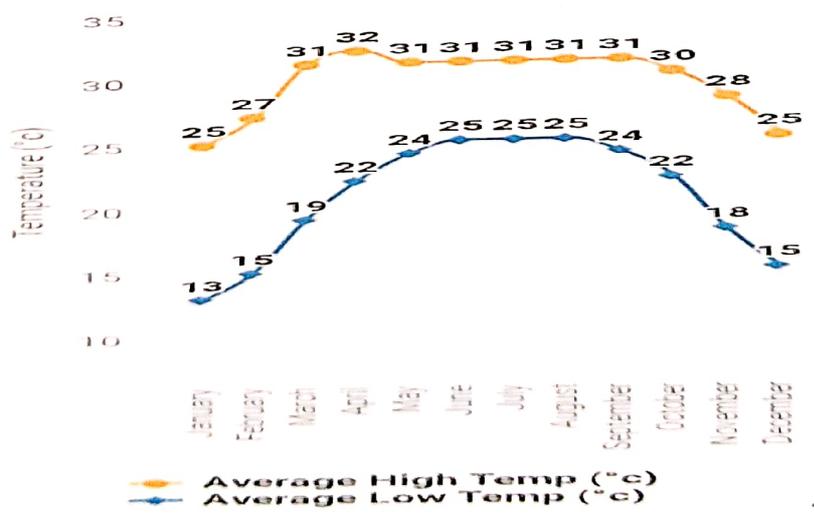
8.1 AIR QUALITY OF KARIMGANJ



worldweatheronline.com

Average Temperature

Average Temperature (°C) Graph for Karimganj



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The WHO's clean air guideline for PM_{2.5} is 25 µg/m³. Currently, in Karimganj, the forecasted PM_{2.5} is 25 µg/m³. Hence, the air is not clean. The air quality in Karimganj right now is good. The air pollution poses little or no risk.



8.2. FINDINGS AND RECOMMENDATIONS

Improving air quality for a green audit involves addressing various aspects of indoor and outdoor environments. Here are some recommendations to enhance air quality:

Indoor Air Quality:

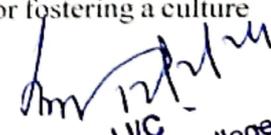
- Ensure proper ventilation systems are in place.
- Encourage the use of natural ventilation when possible.
- Introduce indoor plants known for air purification, such as spider plants and snake plants.

9. CONCLUSION

In conclusion, the green audit of Swami Vivekananda College has provided valuable insights into the environmental practices and sustainability efforts within the campus. Through a comprehensive assessment, it is evident that the college has made commendable strides in promoting eco-friendly initiatives, waste reduction, and energy conservation. The implementation of recycling programs, energy-efficient systems, and green infrastructure showcases a commitment to environmental responsibility.

However, the audit also highlights areas for improvement, such as reducing water consumption, enhancing biodiversity, and further minimizing the carbon footprint. Recommendations for the integration of renewable energy sources, the expansion of green spaces, and the adoption of more sustainable procurement practices could further elevate the college's environmental performance.

In summary, while Swami Vivekananda College has demonstrated a dedication to environmental stewardship, ongoing efforts and a collaborative approach involving students, faculty, and administration will be essential to achieving a truly sustainable and eco-friendly campus in the future. This green audit serves as a foundation for continuous improvement and a catalyst for fostering a culture of environmental consciousness within the college community.


Principal / IC
Swami Vivekananda College
P.O. Chandkhira, Dist. Karimganj